



FIGURE 6

Nuclear
Receptor
interaction CBP & p300
interaction Transcriptional
activation domain

bHLH PAS

[REDACTED]

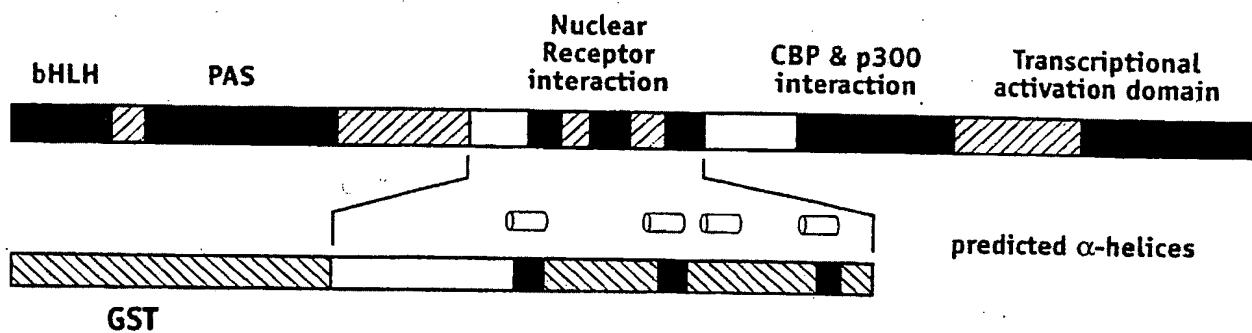
1 2 3

<p>SEQ ID NO: 5 Gripl</p> <p>SEQ ID NO: 8 Tif2</p> <p>SEQ ID NO: 11 NcoA-2</p> <p>SEQ ID NO: 14 RAC3</p> <p>SEQ ID NO: 17 AIB1, TRAM-1</p> <p>SEQ ID NO: 20 p/CIP</p> <p>SEQ ID NO: 23 SRC1</p> <p>SEQ ID NO: 26 Consensus</p> <p>SEQ ID NO: 6 Gripl</p> <p>SEQ ID NO: 9 Tif2</p> <p>SEQ ID NO: 12 NcoA-2</p> <p>SEQ ID NO: 15 RAC3</p> <p>SEQ ID NO: 18 AIB1, TRAM-1</p> <p>SEQ ID NO: 21 p/CIP</p> <p>SEQ ID NO: 24 SRC1</p> <p>SEQ ID NO: 27 Consensus</p> <p>SEQ ID NO: 7 Gripl</p> <p>SEQ ID NO: 10 Tif2</p> <p>SEQ ID NO: 13 NcoA-2</p> <p>SEQ ID NO: 16 RAC3</p> <p>SEQ ID NO: 19 AIB1, TRAM-1</p> <p>SEQ ID NO: 22 p/CIP</p> <p>SEQ ID NO: 25 SRC1</p> <p>SEQ ID NO: 28 Consensus</p>	<p>AEGHSRLHDSKGQTKLLQLLTTKSEQMEPSPLAS ADGQSRLEHDSKGQTKLLQLLTTKSEQMEPSPLAS AEGHSRLHDSKGQTKLLQLLTTKSEQMEPSPLPS AENQRGPLESKGHKLLQLLTCSSEDRGHSSLTN AENQRGPLESKGHKLLQLLTCSSEDRGHSSLTN SETPRGPLESKGEHKLLQLLTCSSEDRGHSSLTN SEGDSKY--SQTSHKLVQLLTTAEQQLRHADIDS....KLhQLLT.....</p> <p>PGSTHGTSLKEKHKILHRLLQDSSSPVDLAKLTA SGSTHGTSLKEKHKILHRLLQDSSSPVDLAKLTA PGSTHGTSLKEKHKILHRLLQDSSSPVDLAKLTA TSNMHGSLLQEKRILHKLQNGNSPAEVAKITA TSNMHGSLLQEKRILHKLQNGNSPAEVAKITA TSNVHGSLLQEKRILHKLQNGNSPAEVAKITA TCPSSHSSLTERHKILHRLLQE.GSPSDITTLSVL.E+H+ILH+LQ...SP.-h..h.</p> <p>EPASPKKKE---NALLRYLLDKDDTKDIGLPEIT EPVSPKKKE---NALLRYLLDKDDTKDIGLPEIT EPASPKKKE---NALLRYLLDKDDTKDIGLPSIT EQLSPKKKE--NNALLRYLLDRDDPSDVLAKKLQ EQLSPKKKE--NNALLRYLLDRDDPSDALSKELO EQLSPKKKE--NNALLRYLLDRDDPSDALSKELO ELDAAKKESKDHQLLRYLLDKDEKDLRSTPNLC E....KKKE.....LLRYLLD+D-.....h.LXXLL.....</p>
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Overall Consensus (SEQ ID NO: 1)

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FIGURE 7a



	NR-box1 residues 15-21 SEQ ID NO: 5	NR-box2 residues 15-21 SEQ ID NO: 6	NR box3 residues 15-21 SEQ ID NO: 7
NRb 1,2,3	KLLQLLT	ILHRLLQ	LLRYLLD
NRb 1,2	KLLQLLT	ILHRLLQ	AARAAAD
NRb 1,3	KLLQLLT	AAHRAAQ	LLRYLLD
NRb 1	KLLQLLT	AAHRAAQ	AARAAAD

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FIGURE 7b

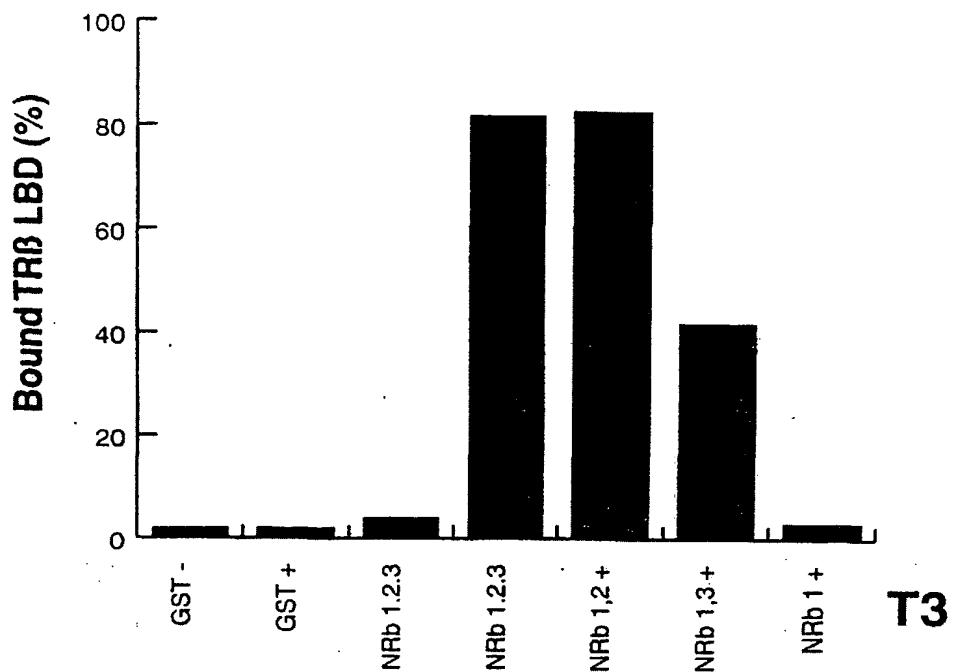


FIGURE 8a

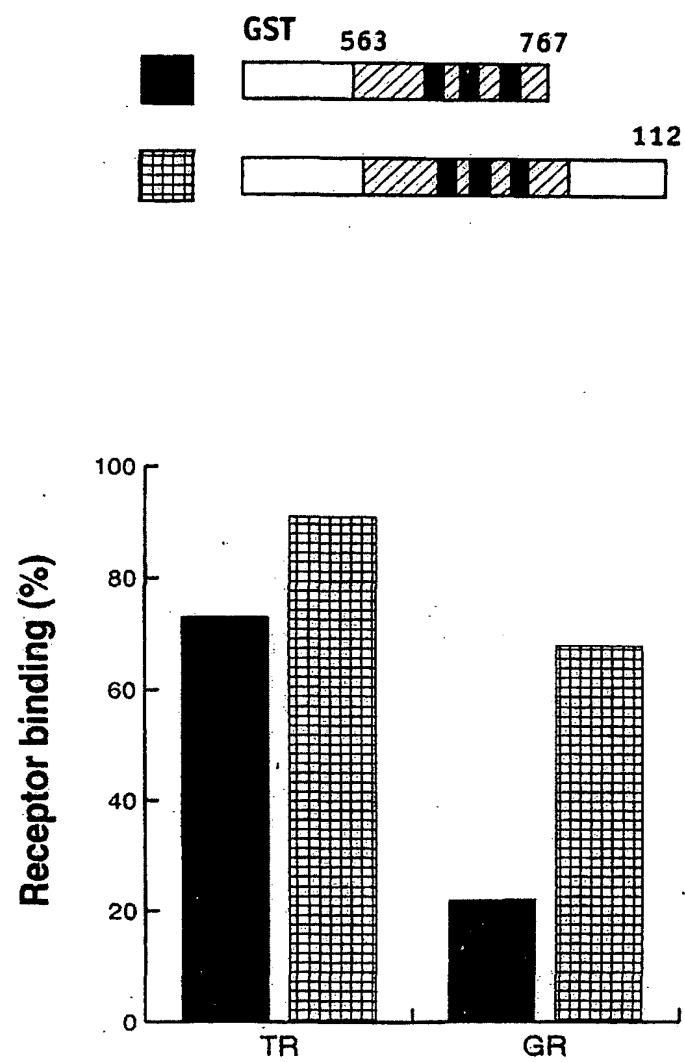


FIGURE 8b

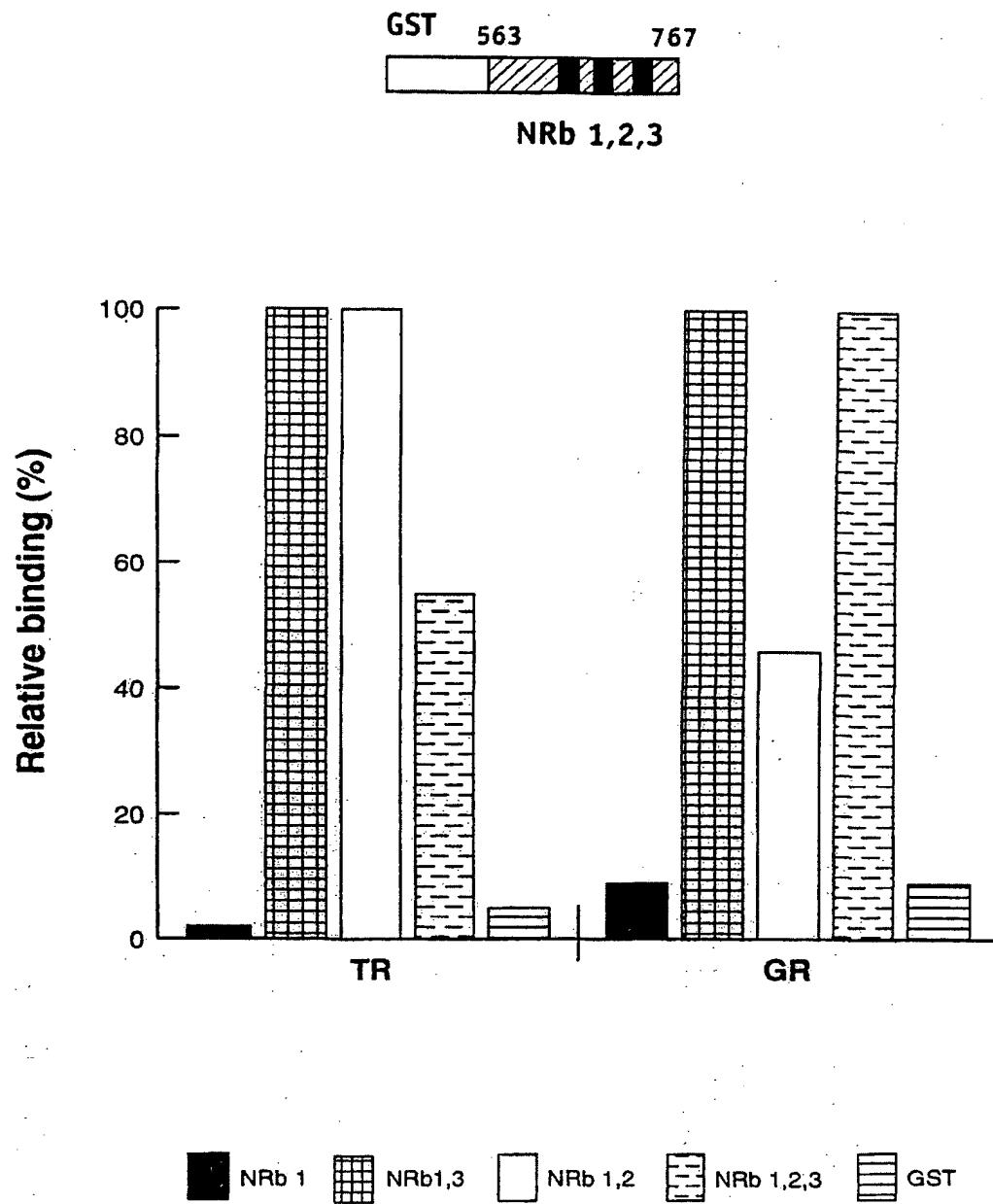


FIGURE 9a

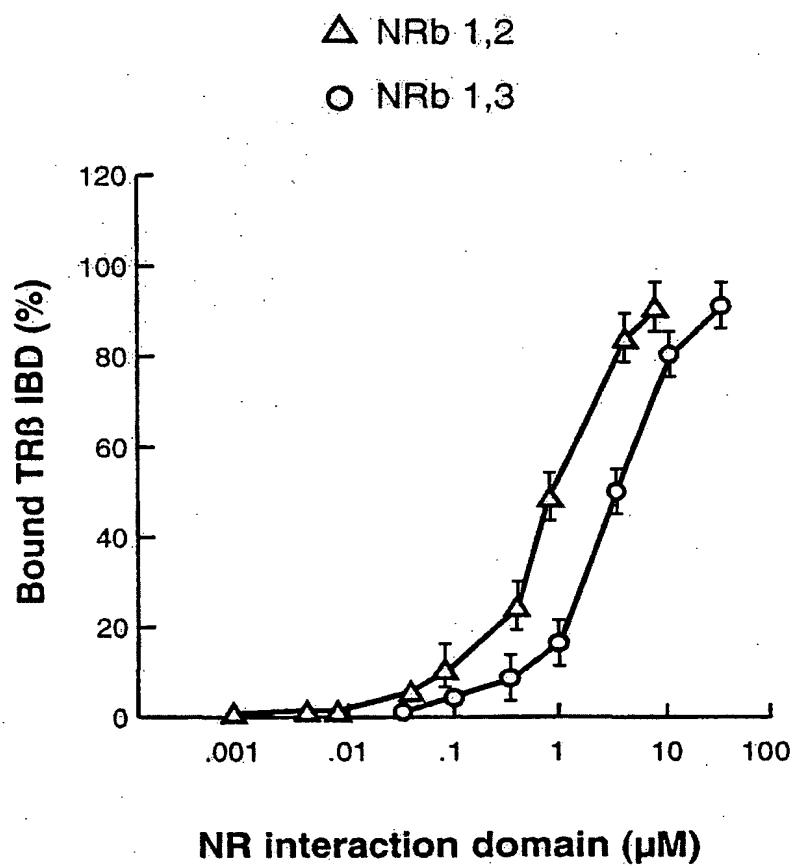
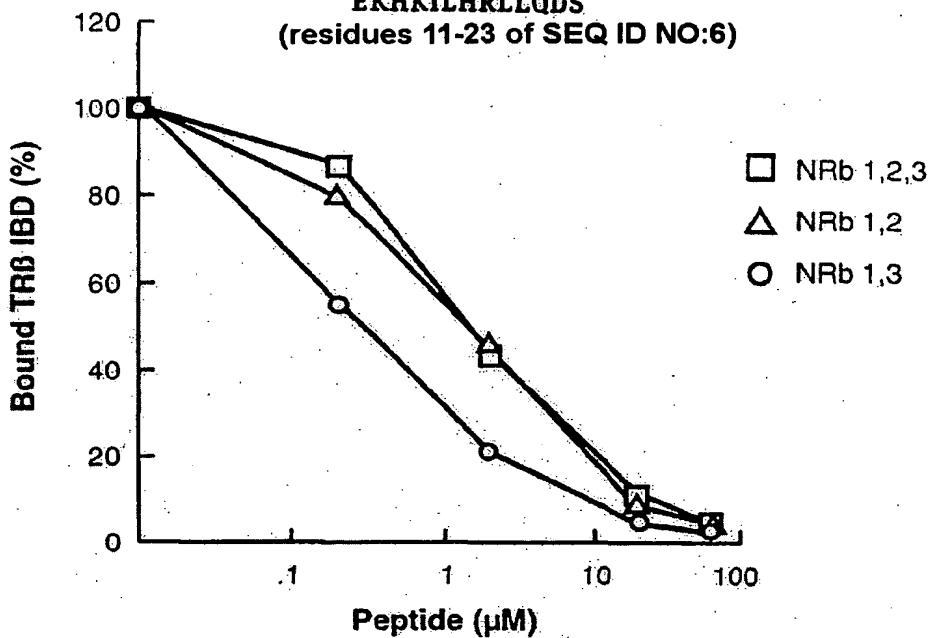


FIGURE 9b

NR-box 2 peptide

EKKKILHRLLQDS

(residues 11-23 of SEQ ID NO:6)



NR-box 3 peptide

ENALLRYYLLDKDD

(residues 9-21 of SEQ ID NO:7)

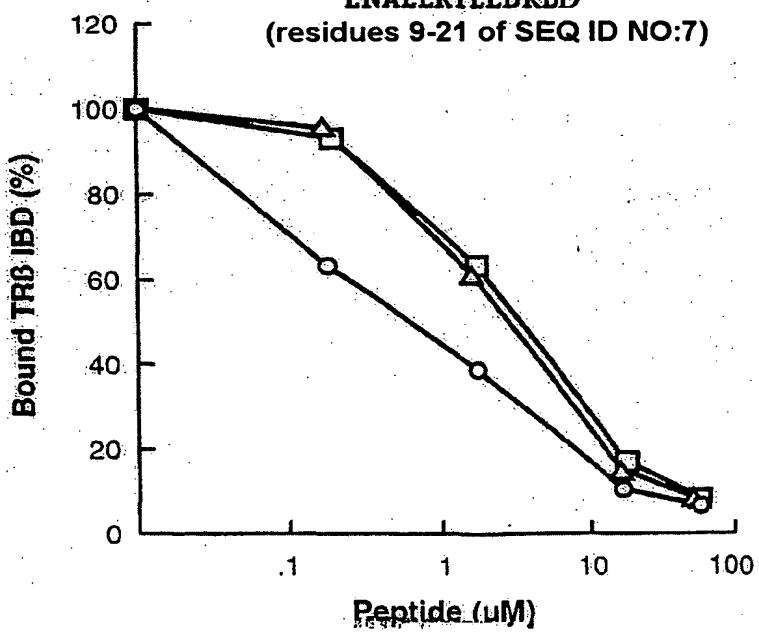


FIGURE 10a

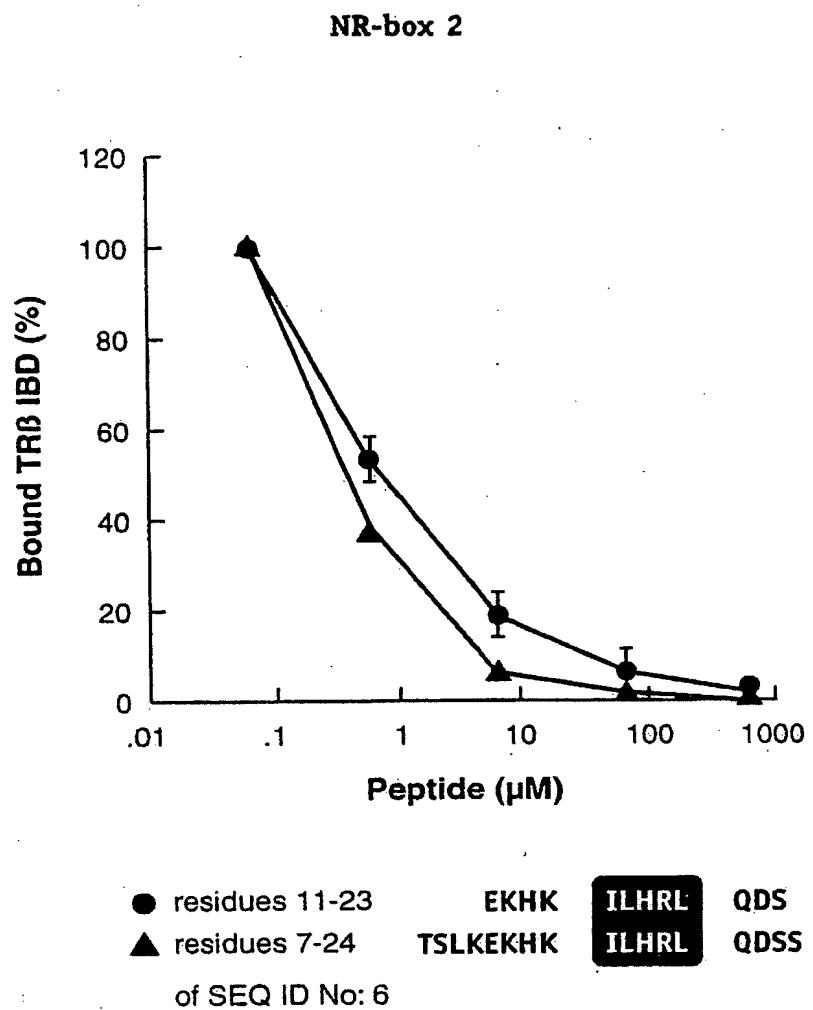


FIGURE 10b

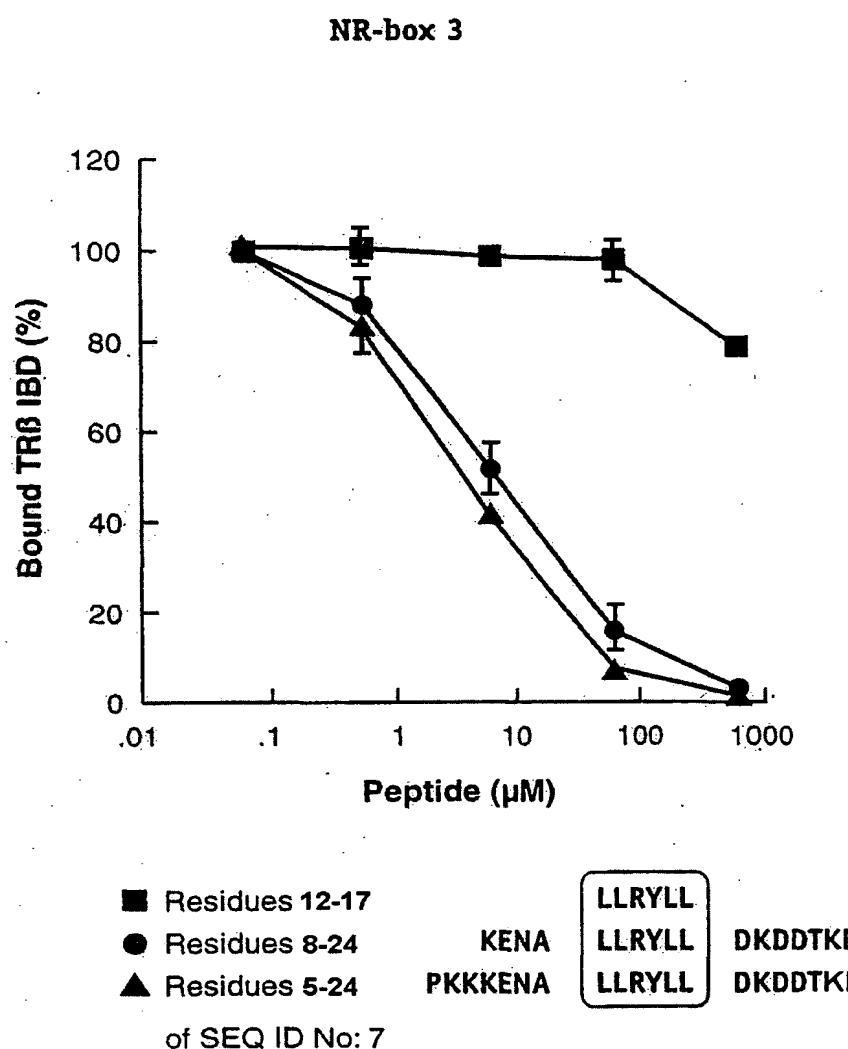


FIGURE 10c

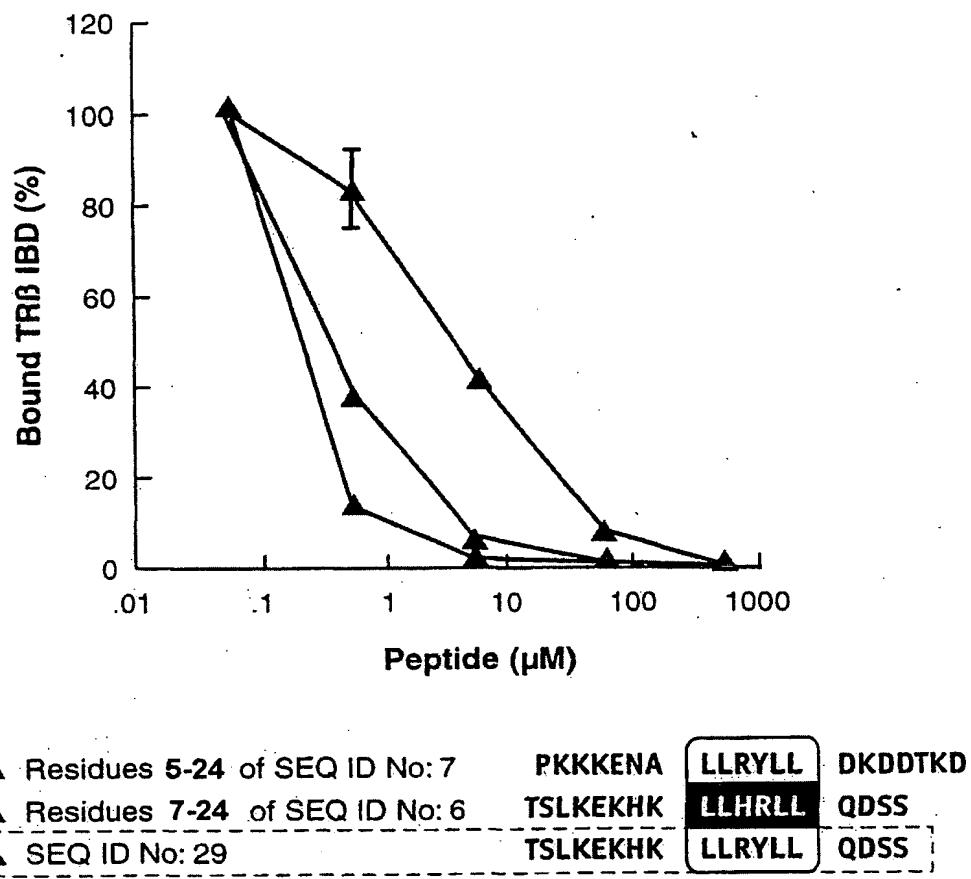
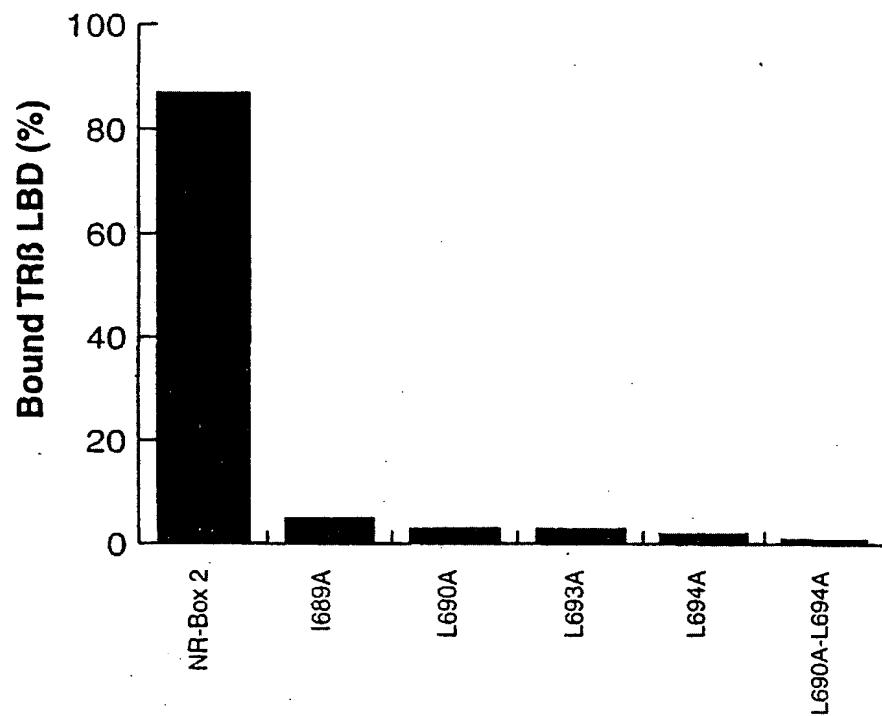


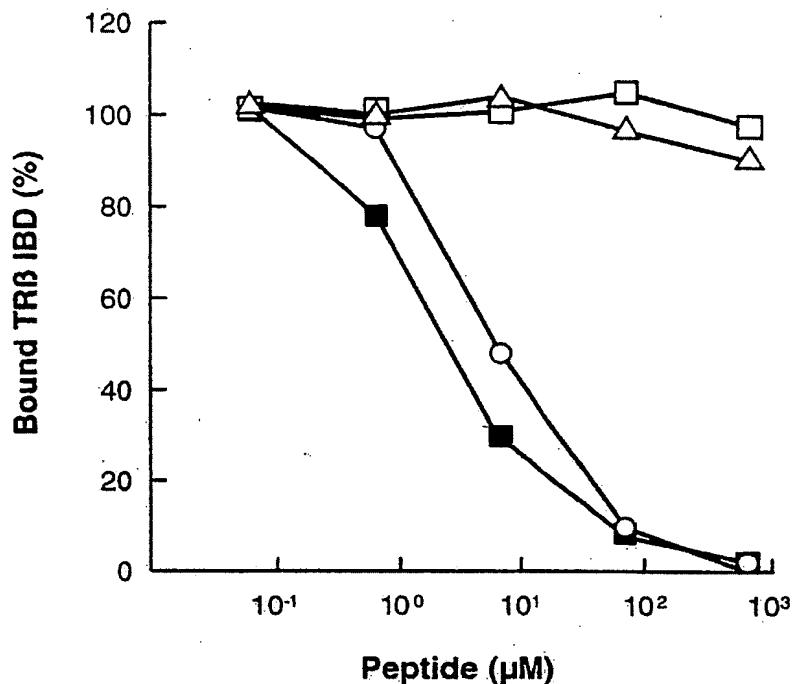
FIGURE 11a



NR-interaction domain:

NR β 1,2	ILHRL
I689A	ALHRL
L690A	IAHRL
L693A	ILHRL
L694A	ILHRLA
L690A/L694A	IAHRLA

FIGURE 11b

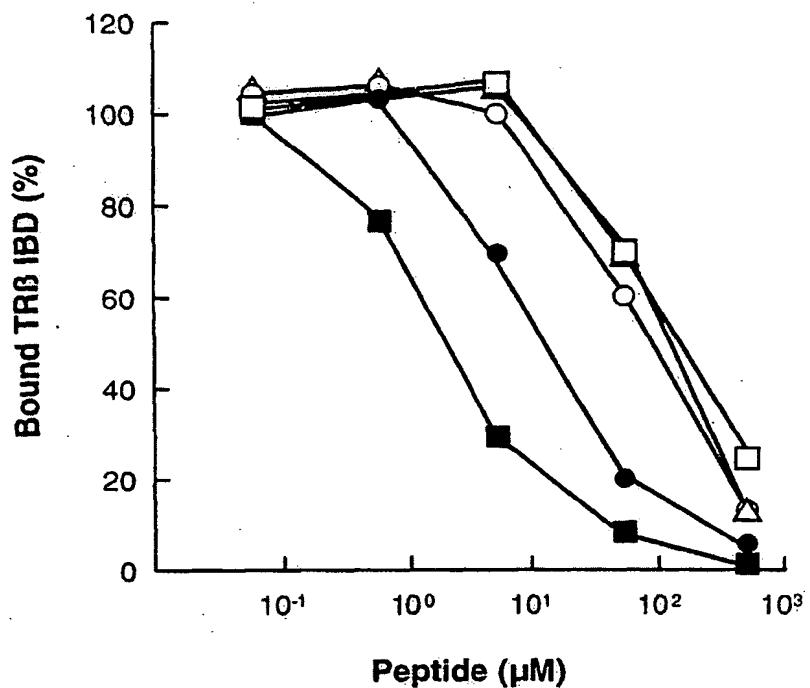


Residues 12-24 SEQ ID No: 6

NR-Box 2 peptide: KHK **ILLHRL** QDSS

- ILHRL
- AAHRL
- ILAAL
- △ ILHRA

FIGURE 11c

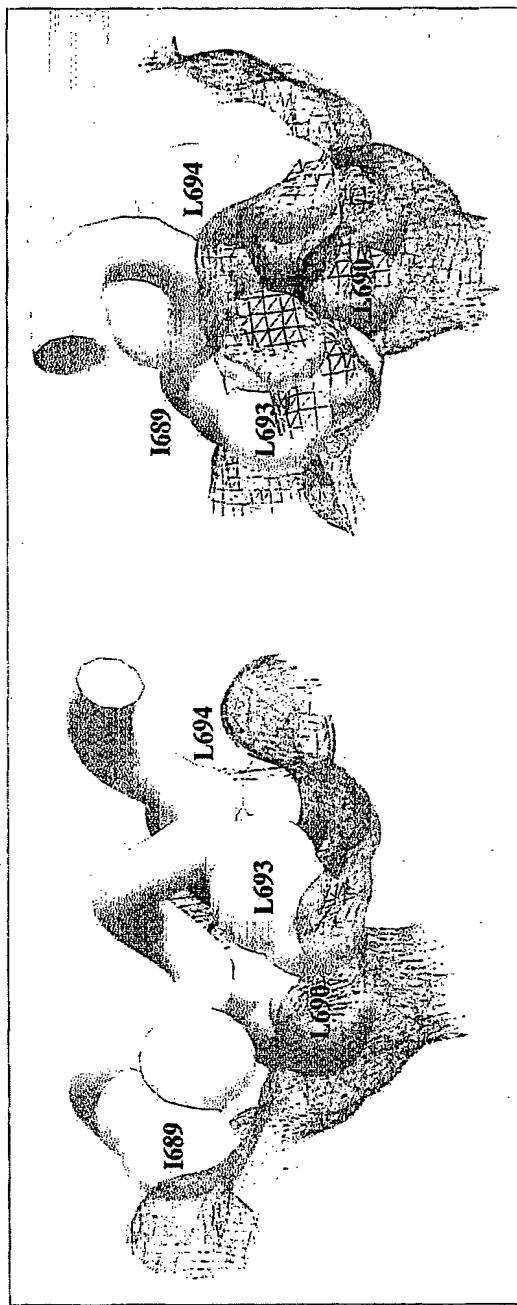


Residues 12-24 SEQ ID No: 6

NR-Box 2 peptide: KHK **ILLHRL** QDSS

- ILHRL
- FLHRL
- IFHRL
- ILHRFL
- △ ILHRLF

FIG. 17



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